

§ 421.105

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead .....	.862	.400
Zinc	3.142	1.294
Ammonia (as N)	410.600	180.500
Total suspended solids	46.200	36.960
pH	(¹)	(¹)

¹Within the range of 7.0 to 10.0 at all times.

(l) Subpart J—Reduction to Tungsten Water of Formation.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead .....	.137	.064
Zinc .....	.499	.205
Ammonia (as N)	65.190	28.660
Total suspended solids	7.335	5.868
pH	(¹)	(¹)

¹Within the range of 7.0 to 10.0 at all times.

(m) Subpart J—Tungsten Power Acid Leach and Wash.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead .....	.672	.312
Zinc	2.448	1.008
Ammonia (as N)	319.900	140.700
Total suspended solids	36.000	28.800
pH	(¹)	(¹)

¹Within the range of 7.0 to 10.0 at all times.

(n) Subpart J—Molybdenum Sulfide Precipitation Wet Air Pollution Control.

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NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead .....	.00	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000
Total suspended solids .....	.000	.000
pH	(¹)	(¹)

¹Within the range of 7.0 to 10.0 at all times.

[49 FR 8812, Mar. 8, 1984, as amended at 53 FR 1709, Jan. 21, 1988]

§ 421.105 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources. The mass of wastewater pollutants in primary tungsten process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart J—Tungstic Acid Rinse.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungstic acid (as W) produced	
Lead	11.490	5.333
Zinc	41.850	17.230
Ammonia (as N)	5,469.000	2,404.000

(b) Subpart J—Acid Leach Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungstic acid (as W) produced	
Lead	1.003	0.466
Zinc	3.653	1.504
Ammonia (as N)	477.400	209.900

(c) Subpart J—Alkali Leach Wash.

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PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungstate (as W) produced	
Lead	0.000	0.000
Zinc	0.000	0.000
Ammonia (as N)	0.000	0.000

(d) Subpart J—Alkali Leach Wash Condensate.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of sodium tungstate (as W) produced	
Lead	5.372	2.494
Zinc	19.570	8.057
Ammonia (as N)	2,557.000	1,124.000

(e) Subpart J—Ion Exchange Raffinate (Commingled With Other Process or Nonprocess Waters).

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungstate (as W) produced	
Lead	24.780	11.500
Zinc	90.240	37.160
Ammonia (as N)	11,790.000	5,185.000

(f) Subpart J—Ion Exchange Raffinate (Not Commingled With Other Process or Nonprocess Waters).

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of ammonium tungstate (as W) produced	
Lead	24.780	11.500
Zinc	90.240	37.160

PSES—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Ammonia (as N) ¹	11,790.000	5,185.000

¹ The pretreatment standard for this pollutant does not apply if (a) the mother liquor feed to the ion exchange process or the raffinate from the ion exchange process contains sulfates at concentrations exceeding 1000 mg/l; (b) this mother liquor or raffinate is treated by ammonia steam stripping; and (c) such mother liquor or raffinate is not commingled with any other process or nonprocess waters prior to steam stripping for ammonia removal.

(g) Subpart J—Calcium Tungstate Precipitate Wash.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of calcium tungstate (as W) produced	
Lead	20.670	9.594
Zinc	75.280	31.000
Ammonia (as N)	9,838.000	4,325.000

(h) Subpart J—Crystallization and Drying of Ammonium Paratungstate.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of ammonium paratungstate (as W) produced	
Lead	0.000	0.000
Zinc	0.000	0.000
Ammonia (as N)	0.000	0.000

(i) Subpart J—Ammonium Paratungstate Conversion to Oxides Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungstic oxide (as W) produced	
Lead	0.773	0.359
Zinc	2.817	1.160
Ammonia (as N)	368.200	161.900

(j) Subpart J—Ammonium Paratungstate Conversion to Oxides Water of Formation.

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Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungstic oxide (as W) produced	
Lead	0.018	0.008
Zinc	0.064	0.026
Ammonia (as N)	8.398	3.692

(k) Subpart J—Reduction to Tungsten Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead .....	.862	.400
Zinc	3.142	1.294
Ammonia (as N)	410.600	180.500

(l) Subpart J—Reduction to Tungsten Water of Formation.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead .....	.137	.064
Zinc .....	.499	.205
Ammonia (as N)	65.190	28.660

(m) Subpart J—Tungsten Powder Acid Leach and Wash.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead .....	.672	.312
Zinc	2.448	1.008
Ammonia (as N)	319.900	140.700

(n) Subpart J—Molybdenum Sulfide Precipitation Wet Air Pollution Control.

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PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten metal produced	
Lead	0.000	0.000
Zinc	0.000	0.000
Ammonia (as N)	0.000	0.000

[49 FR 8812, Mar. 8, 1984, as amended at 53 FR 1711, Jan. 21, 1988]

§ 421.106 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in primary tungsten process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart J—Tungstic Acid Rinse.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungstic acid (as W) produced	
Lead	11.490	5.333
Zinc	41.850	17.230
Ammonia (as N)	5,469.000	2,404.000

(b) Subpart J—Acid Leach Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any one day	Maximum for monthly average
	mg/kg (pounds per million) of tungstic acid (as W) produced	
Lead	1.003	0.466
Zinc	3.653	1.504
Ammonia (as N)	477.400	209.900

(c) Subpart J—Alkali Leach Wash.